

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008536**Date Inspected:** 20-Aug-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Liu yang/ Mr. Xu le feng**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance(QA) Inspector, Baskar Govindarajan, was present during the times noted above for observations relative to the work being performed.

Bay no. 10

1.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 205506 perform SMAW Tack welding on, Shear plate, Weld joint no. ED1-a 27 B/E. ZPMC CWI Identified as Mr. Liu yang. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2312-TC-P4.

2.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 050044 perform SMAW welding on, Tower Strut splice plate, Weld joint no. ND1-A 5002-9-1B. ZPMC CWI Identified as Mr. Liu yang. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3211-TC-U5B-1.

3.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040232 perform SAW welding on, Strut flange plate, Weld joint no. ED1-A 6003-8-1B. ZPMC CWI Identified as Mr. Liu yang. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-4221-B-U3C-S1.

4.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040343

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perform FCAW welding on, North tower, Lift 4, Weld joint no. NSD1-FESA4-3 F/F-27A. ZPMC CWI Identified as Mr. Shi wei song. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2231-TC-U5-F.

Magnetic Particle Testing:

For Green Tag

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a TL-6028 MT report on this date. The member and the weld designations are as follows:

Inspection part #	Section #
NSD1-SA112 D/H	Jt. – 21 to 24, 7 to 10 – Gusset plate 9mtr, north lift 1
NSD1-SA112 D/H	Jt. – 1 to 4, 11 to 18, 25, 26
ND1- A 6002-7	Jt. – 5, 6 A - Tower struts
ND1- A 6002-8	Jt. – 5, 6 A - Tower struts
ND1- A 6002-9	Jt. – 5, 6 A - Tower struts

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge, Sinevod - 134-8257-0045, who represents the Office of Structural Materials for your project.

Inspected By:	Baskar, Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer
